

Supplemental Table 1. Model with A, B, O blood types before propensity score.

Variables	Subgroups	HR (95% CI)	P
Blood types	O	Ref	
	A	0.900 (0.761-1.065)	0.2190
	B	1.035 (0.866-1.237)	0.7022
	AB	1.099 (0.839-1.438)	0.4933
Age groups (year)		1.083 (1.017-1.155)	0.0136
Sex	Female	Ref	
	Male	0.918 (0.788-1.069)	0.2703
Family history		1.027 (0.819-1.289)	0.8153
Tumor-node-metastasis stage	I/II	Ref	
	III/IV	3.029 (2.354-3.897)	<.0001
The Lauren's classification	Intestinal type	Ref	
	Diffuse type	1.253 (1.076-1.458)	0.0037
Embolus		1.214 (1.054-1.398)	0.0071
Tumor size		1.055 (1.033-1.078)	<.0001
Number of regional lymph node metastasis		1.034 (1.024-1.043)	<.0001
Hypertension		1.154 (0.996-1.336)	0.0560
HTC		1.077 (0.779-1.487)	0.6546
HTG		1.088 (0.873-1.356)	0.4508
LHDL		1.467 (1.268-1.697)	<.0001
HLDL		1.235 (0.965-1.579)	0.0936
Diabetes mellitus		2.241 (1.939-2.591)	<.0001
NLR		1.258 (1.075-1.471)	0.0041
LMR		0.907 (0.774-1.062)	0.2255

Abbreviations: HTC, High total cholesterol; HTG, hypertriglyceridemia; LHDL, low high-density lipoprotein cholesterol; HLDL, high low-density lipoprotein-cholesterol; NLR, neutrophil-lymphocyte ratio; LMR, lymphocyte-monocyte ratio; HR, hazard ratio; 95% CI, 95% confidence interval. The effect-size estimates were calculated under the COX proportional hazards regression models.

Supplemental Table 2. Model with A, B, O blood types after propensity score.

Variables	Subgroups	HR (95% CI)	P
Blood types	O	Ref	
	A	0.941 (0.775-1.144)	0.5426
	B	1.114 (0.912-1.360)	0.2895
	AB	1.060 (0.747-1.504)	0.7449
Age groups (year)		1.099 (1.022-1.181)	0.0109
Sex	Female	Ref	
	Male	0.925 (0.776-1.103)	0.3872
Family history		0.933 (0.721-1.207)	0.5975
Tumor-node-metastasis stage	I/II	Ref	
	III/IV	2.447 (1.862-3.216)	<.0001
The Lauren's classification	Intestinal type	Ref	
	Diffuse type	1.248 (1.051-1.482)	0.0114
Embolus		1.158 (0.989-1.356)	0.0676
Tumor size		1.059 (1.035-1.083)	<.0001
Number of regional lymph node metastasis		1.043 (1.032-1.054)	<.0001
Hypertension		1.087 (0.921-1.284)	0.3231
High total cholesterol		0.948 (0.640-1.404)	0.7885
High triglycerides		1.113 (0.863-1.437)	0.4092
Low HDLC		1.450 (1.232-1.705)	<.0001
High LDLC		1.400 (1.041-1.881)	0.0258
Diabetes mellitus		2.387 (2.026-2.812)	<.0001
NLR		1.271 (1.064-1.518)	0.0083
LMR		0.920 (0.770-1.100)	0.3597

Abbreviations: HTC, High total cholesterol; HTG, hypertriglyceridemia; LHDLC, low high-density lipoprotein cholesterol; HDLC, high low-density lipoprotein-cholesterol; NLR, neutrophil-lymphocyte ratio; LMR, lymphocyte-monocyte ratio; HR, hazard ratio; 95% CI, 95% confidence interval. The effect-size estimates were calculated under the COX proportional hazards regression models.